

## EAST Search History

L13	10	l12 and ((insulating or dielectric or insulator) near5 diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:14
L14	2	l12 and ((insulating or dielectric or insulator) near5 diameter near5 (nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:15
L15	2	l12 and ((insulating or dielectric or insulator) near5 diameter near5 (angstrom or nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:15
L16	2	l12 and ((insulating or dielectric or insulator) near5 diameter near5 (ang or angstrom or nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:15
L17	401	((insulating or dielectric or insulator) near5 diameter near5 (ang or angstrom or nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:16
L18	33	((insulating or dielectric or insulator) near5 diameter near5 (ang or angstrom or nanometer or nm)) and (particulate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:16
L19	1	particulate near10 ((insulating or dielectric or insulator) near5 diameter near5 (ang or angstrom or nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:17
L20	5	trench with ((insulating or dielectric or insulator) near5 diameter near5 (ang or angstrom or nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:18
L21	11	trench with ((insulating or dielectric or insulator) near10 diameter near5 (ang or angstrom or nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:18
L22	11	trench with ((insulating or dielectric or insulator) near10 diameter near10 (ang or angstrom or nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:18

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L23	1	trench with ((insulating or dielectric or insulator) near5 (size or diameter or radius) near5 (nanometer or nm or angstrom or ang))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:19
L24	6	trench with ((insulating or dielectric or insulator) near5 (size or diameter or radius) near5 (nanometer or nm or angstrom or ang))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:19
L25	25	trench with ((insulating or dielectric or insulator) near10 (size or diameter or radius) near10 (nanometer or nm or angstrom or ang))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:21
L26	228	((insulating or dielectric) near (particle or particulate)) near5 diameter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:22
L27	49	((insulating or dielectric) near (particle or particulate)) near5 diameter).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:23
L28	3	((insulating or dielectric) near (particle or particulate)) near5 diameter) with trench	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:24
L29	3	((insulating or dielectric) near (particle or particulate)) near5 (size or diameter)) with trench	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:25
L30	104	((particle or particulate)) near5 (size or diameter)) with trench	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:25
L31	48	((particle or particulate)) near5 (size or diameter)) with trench).ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:26
L32	20	((particle or particulate)) near10 (size or diameter) near10 (nanometer or nm or angstrom or ang)) with trench)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:27

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L33	65313	(((((particle or particulate))) near10 (size or diameter) near10 (nanometer or nm or angstrom or ang)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:28
L34	1327	(((((particle or particulate))) near10 (size or diameter) near10 (nanometer or nm or angstrom or ang))) near10 (fill or filling or filled or filler)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:28
L35	23	(((((particle or particulate))) near10 (size or diameter) near10 (nanometer or nm or angstrom or ang))) near10 (fill or filling or filled or filler) same semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:29
L36	11	(((((particle or particulate))) near10 (size or diameter) near10 (nanometer or nm or angstrom or ang))) near10 (fill or filling or filled or filler) near10 (trench or via or opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:30
L37	16	(((((particle or particulate))) near10 (size or diameter) near10 (nanometer or nm or angstrom or ang))) near20 (fill or filling or filled or filler) near20 (trench or via or opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:31
L38	10287	(insulating or dielectric or insulator or bead or silica) with (trench or via or opening) with (diameter or size)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:31
L39	441	(insulating or dielectric or insulator or bead or silica) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:31
L40	80	(insulating or dielectric or insulator or bead or silica) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang) same semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:33
L41	441	(insulating or dielectric or insulator or bead or silica) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:34

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L42	55	((insulating or dielectric or insulator or bead or silica) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:34
L43	33	((insulating or dielectric or insulator or bead or silica) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)).clm. and semiconductor.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:35
L44	38	((insulating or dielectric or insulator or bead or silica or particle or particulate) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)).clm. and semiconductor.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:36
L45	395	((insulating or dielectric or insulator or bead or silica or particle or particulate) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)) and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:36
L46	263	((insulating or dielectric or insulator or bead or silica or particle or particulate) with (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)) and semiconductor.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:36
L47	202	((insulating or dielectric or insulator or bead or silica or particle or particulate) near10 (trench or via or opening) with (diameter or size) with (nm or nanometer or angstrom or ang)) and semiconductor.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:36
L48	177	((insulating or dielectric or insulator or bead or silica or particle or particulate) near10 (trench or via or opening) near10 (diameter or size) with (nm or nanometer or angstrom or ang)) and semiconductor.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:36

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L49	172	((insulating or dielectric or insulator or bead or silica or particle or particulate) near10 (trench or via or opening) near10 (diameter or size) near10 (nm or nanometer or angstrom or ang)) and semiconductor.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:38
L50	14	((insulating or dielectric or insulator or bead or silica or particle or particulate) near10 (trench or via or opening) near10 (diameter or size) near10 (nm or nanometer or angstrom or ang) near10 (average or mean)) and semiconductor.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:39
L51	11197	((average or mean) near2 (diameter or size) near2 (particle or particulate or silica) near2 (nanometer or nm))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:40
L52	205	((average or mean) near2 (diameter or size) near2 (particle or particulate or silica) near2 (nanometer or nm)) same (trench or via or opening)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:40
L53	3	((average or mean) near2 (diameter or size) near2 (particle or particulate or silica) near2 (nanometer or nm)) same (trench or via or opening) same semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:40
L54	8	((average or mean) near5 (diameter or size) near5 (particle or particulate or silica) near5 (nanometer or nm)) same (trench or via or opening) same semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:43
L55	114	((average or mean) near5 (diameter or size) near5 (particle or particulate or silica) near5 (nanometer or nm)) same (trench or via or opening) and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:43
L56	35	((average or mean) near5 (diameter or size) near5 (particle or particulate or silica) near5 (nanometer or nm)) with (trench or via or opening) and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:45

## EAST Search History

L57	114	((average or mean) near5 (diameter or size) near5 (particle or particulate or silica) near5 (nanometer or nm)) same (trench or via or opening) and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/01 17:45
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